

Abstract

A process for treating a particulate material is described, comprising the steps of filling the material into a container, the container having a base, an upright wall widening from bottom to top, and a deflection element adjoining the wall in an upper region of the container, moving the material in the container in a continuous circulatory movement along the base to the wall and along the wall upward by rotating the wall about a vertical axis of rotation, and moving the material along the deflection element by means of an air stream, which is introduced substantially from bottom to top through at least one air gap in a transition region from the wall to the deflection element and, in a region adjacent to the air gap, substantially tangentially with respect to the course of at least one of the wall and the deflection element. Further an apparatus for carrying out the process is described.